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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/811,655

03/20/2001

Takashi Shinzaki

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7590

09/30/2005

STAAS & HALSEY LLP

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EXAMINER

BHATTACHARYA, SAM

ART UNIT

PAPER NUMBER

2687

DATE MAILED: 09/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/811,655	SHINZAKI, TAKASHI	
	Examiner	Art Unit	
	Sam Bhattacharya	2687	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 August 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 17-32 and 39-53 is/are pending in the application.
- 4a) Of the above claim(s) 17-32 and 39-51 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 52 and 53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/9/05 has been entered.

Claim Rejections - 35 USC § 103

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1, 52 and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoghooghi et al. (US 5,959,260) in view of Muramatsu et al. (US 6,477,391).

Regarding claims 1, 52 and 53, Hoghooghi discloses a mobile phone 100 carried by an authorized user to perform electronic information processes, including a main body 102; a battery pack 106 detachably attached to the main body, the battery pack having an I/O section 112 to input information (handwriting, gestures, commands or annotations) to the battery pack from outside the mobile phone, and to output information from the battery back to the outside of the mobile phone; and an interface section 514/116, disposed on the contact surface between the battery pack and the main body, providing communications between the main body and the battery pack, wherein the battery pack and the main body operate together to allow biometric (handwriting) information to be input to the main body from outside the mobile phone for

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biometric verification purposes (by handwriting recognition engine 560) by being input to the battery pack through the I/O section and being input to the main body from the battery pack through the interface section, and to allow information to be output from the main body to outside of the mobile phone by being output from the main body to the battery pack via the interface section and being output from the battery pack to outside the mobile phone through the I/O section. The handwriting information input to the main body from outside the mobile phone by being input to the battery pack provides additional functionality to the mobile phone. See FIGS. 1 and 5 and col. 4, line 18 – col. 5, line 43.

Hoghooghi fails to disclose that the interface section is an optical communications section which receives/transmits optical signals as the input/output signals.

In an analogous art, Muramatsu teaches the interface section is an optical communications section which receives and transmits optical signals as the input/output signals (“light guide 103” in Col. 7, line 36 to Col. 8, line 14 and Figure 11). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the apparatus of Hoghooghi wherein the interface section is an optical communications section which receives/transmits optical signals as the input/output signals, as taught by Muramatsu, in order to associate a mobile phone with external instruments in a non-contact manner.

Response to Arguments

4. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hiltunen (US 6,873,863) discloses fingerprint authentication on a cellular phone.

Kim et al. (US 6,477,274) discloses handwriting character recognition on a flip cover.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Bhattacharya whose telephone number is (571) 272-7917. The examiner can normally be reached on Weekdays, 9-6, with first Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sb


9/12/05
LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER